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(72) Inventor; and

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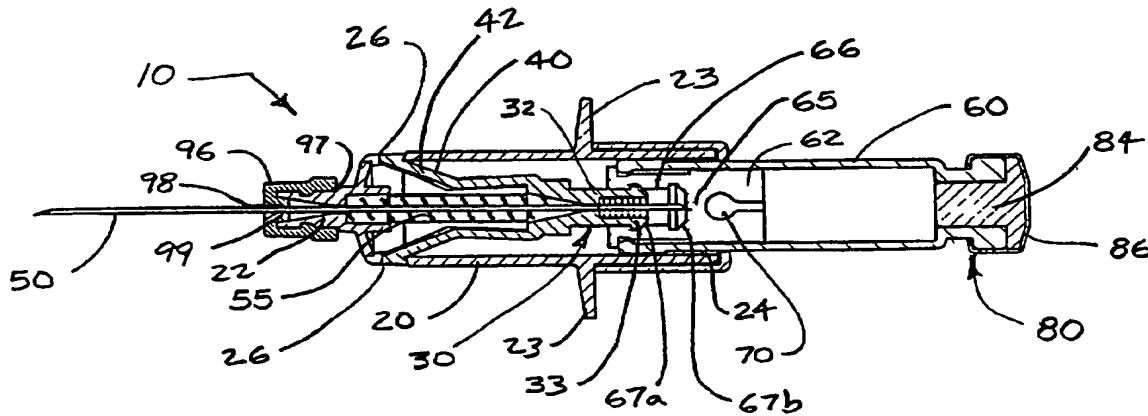
(75) Inventor/Applicant (for US only): MCWETHY, Robert, T. [US/US]; 1543 Daffodil Avenue, Ventura, CA 93004 (US).

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(74) Agent: ELAND, Stephen, H.; Dann, Dorfman, Herrell and Skillman, 1601 Market Street, Suite 720, Philadelphia, PA 19103-2307 (US).

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(54) Title: PRE-FILLED RETRACTABLE NEEDLE INJECTION DEVICE



(57) Abstract: A medical device (10) is provided for injecting medicinal fluid from a fluid container (60), such as a cartridge, into a patient. The device includes a needle (50) that is retracted automatically after use so that the contaminated sharpened tip of the needle is enclosed within the device to prevent inadvertent needle sticks. One aspect of the invention is a lock (90) that prevents tampering with the needle after it is retracted. Another aspect of the invention is a cartridge that permits the entire device to be sterilized in one step.